CLASSIFIED MESSAGE

SECRET

ROUTING

1	NRO DDOSA	9	
2		10	
3		11	
4		12	
5		13	
6		14	
7		15	
8		16	

25X1

DATE 1900Z 03 MAY 65

TO : DIRNSA, OPCEN, SAFSS, SAC HQ OMAHA, SSD, 544TH RTW OMAHA, 6594TH ATW

FROM : SSO SAN FRANCISCO

ACTION:

INFO :

NRO Review Completed as Redacted.

ROUTINE

TOR: 1250Z 07 MAY 65

IN 85947

OSA 1-15

TO INFO CITE

SECRET THIS IS A BYECOM MESSAGE HANDLE VIA BYEMAN CONTROL CHANNELS ONLY SFN PROJECT FOR BCO'S DIRNSA FOR ; SAFSS PENTAGON FOR SAFSP PENTAGON FOR CAPTAIN USN; SAFSP LOS ANGELES FOR SSD EL SEGUNDO, CALIFORNIA FOR 6594TH ATW FOR LOCKHEED, SUNNYVALE, CALIFORNIA

25X1

SUBJECT: INTERCEPT ON ADDITIONAL DATA CONSISTING OF A "FINE FIT" EPHEMERIS AND DETAILED ANTENNA PATTERN MEASUREMENTS WERE RECEIVED WHICH INFLUENCE THE INTERCEPT INFORMATION GIVEN IN THE FINAL MESSAGE REPORT FOR , DTD 17 MAR 1965.

25X1

A. CORRECTED VEHICLE POSITIONS AT THE TIMES OF THE FIRST AND LAST ILLUMINATIONS OF THE MAIN BEAM ARE GIVEN BELOW. ALSO GIVEN ARE THE LOOK ANGLES TO THE VEHICLE COMPUTED FOR THEY ARE ESSENTIALLY THE SAME FOR

25X1

SECRET

GROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

25X1

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 COPY NO.

25X1

25X1

[redacted]

25X1

	FIRST ILLUMINATION	SECOND ILLUMINATION
VEHICLE POSITION	[redacted]	
ALTITUDE		
AZIMUTH		
ELEVATION		
SLANT RANGE		

25X1

B. ANTENNA PATTERN MEASUREMENTS SUGGEST THAT THE RECEIVED SIGNAL WAS EITHER CIRCULARLY OR VERTICALLY POLARIZED. ANTENNA GAIN FOR THESE POLARIZATIONS IS NEARLY CONSTANT AT [redacted] GAIN FOR HORIZONTAL POLARIZED WAVES VARIES FROM [redacted] OVER THE SECTOR OF THE PATTERN SUBTENDED DURING THE INTERCEPT. SINCE THE SIGNAL AMPLITUDE MEASURED BY [redacted] DURING EACH MAIN BEAM ILLUMINATION WAS CONSTANT AT [redacted] IT IS CONCLUDED THAT THE RECEIVED SIGNAL WAS EITHER CIRCULARLY OR VERTICALLY POLARIZED. THUS, THE SIGNAL LEVEL AT THE VEHICLE WAS [redacted] IF IT IS ASSUMED THAT THE SIGNAL WAS NOT EXACTLY VERTICALLY POLARIZED. GP-1

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END OF MESSAGE

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